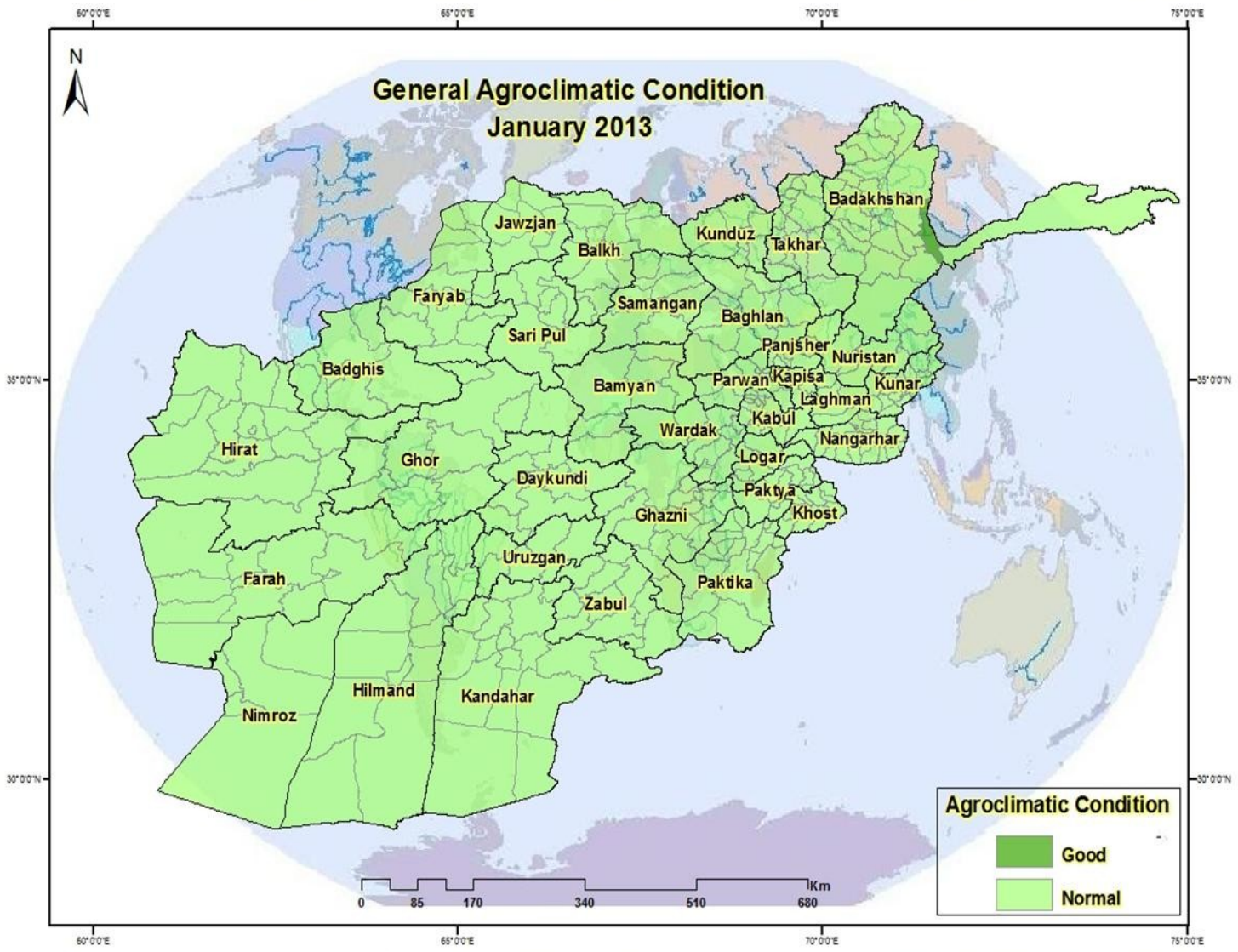
Issue No: 95
January: 2013

The fghanistan grometeorological AAM onthly Bulletin

Topics Crop Information Precipitation Temperature NDVI



Snowfall 1

Crop Condition 2

Crop Stage 3

The Agromet Project of USGS, is working together with the Ministry of Agriculture, Irrigation and Livestock (MAIL) and the Afghan Meteorological Authority (AMA) of Ministry of Transport (MoT)

BULLETIN

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The Afghanistan's Agromet Monthly Bulletin is being Published on monthly Bases in Dari and English Languages.

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Rainfall Situation

Snowfall Situation

Temperature

Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), **Agromet Project , Afghan Meteorological Authority** (AMA), **United States Geological Survey** (USGS).

Summary

However precipitation increased during the month of December 2012 all over the country and this widespread precipitation helped to partially relieved the early-season dryness in some parts of the country, in January 2013 precipitation was light in most parts of the country which resulted in decrease of the precipitation during the month of January this year compared to the same month of last year.

During the month of January 2013, temperature gradually raised in most parts of the country, the minimum temperatures has been recorded between -20 C° and -22 C° in the Central Highlands, and the Northeastern high elevations. Comparison of monthly average of temperature for the month of January 2013 with the same month in 2012,shows that temperature had an increase during the month of January 2013.

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Shakardara	Karizmir	Dormancy		
		Paghman	Paghman			
		Kabul	Darulaman			
		Surubi	Surubi	Vegetative	Normal	Not Existed
	Panjsher	Dara	Dara	Dormancy		
		Dashtak	Dashtak			
	Parwan	Syagerd	Gorband	Emergence	Normal	Not Existed
		Charikar	Charikar	Dormancy		
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan			
	Wardak	Maidan shehr	Maidan shehr			
	Logar	Pole Alam	Pole Alam			
	Bamyan	Bamyan	Bamyan	Emergence	Normal	Not Existed
		Yakawlang	Yakawlang	Dormancy		
		Panjab	Panjab			
		Shebar	Shebar			
		Kohmard	Kohmard			
	Ghazni	Andar	Bande Sardi			
	Dikondy	Nili	Nili			
		Khideer	Khideer			
East	Nangarhar	Agam	Agam	Vegetative	Normal	Not Existed
		Batikot	Ghaziabad	Vegetative	Normal	Not Existed
		Jalalabad	Farm jaded	Vegetative	Normal	Not Existed

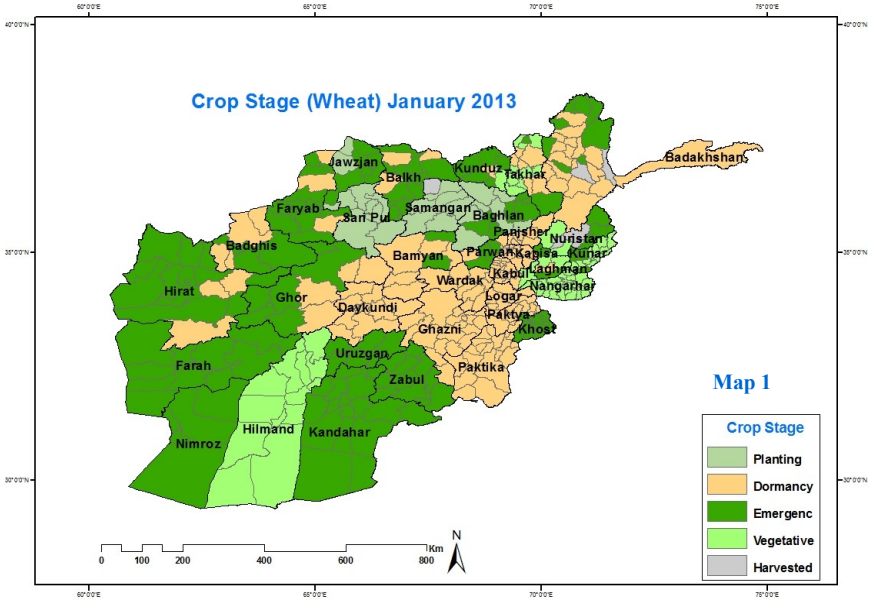
Crop Stage, Crop Condition and Adverse Factor

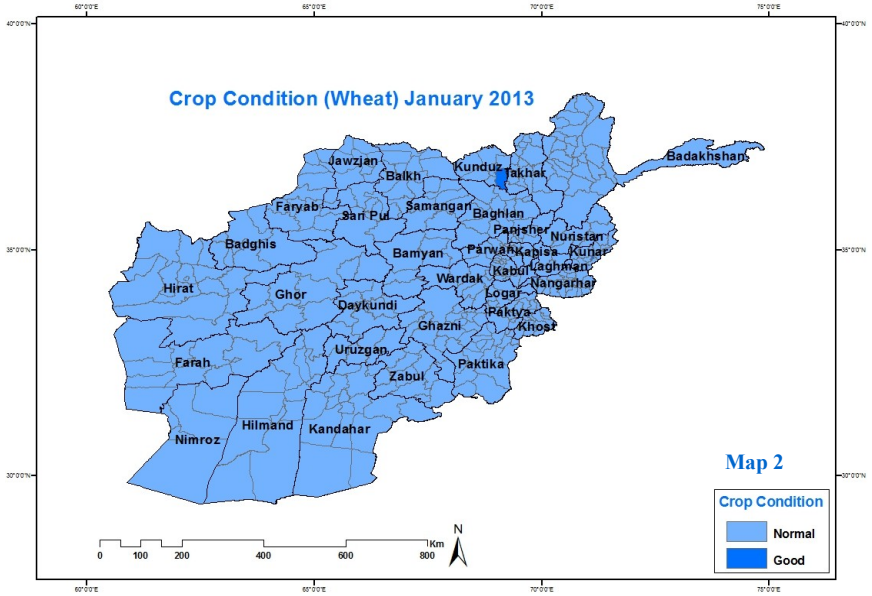
Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Emergence	Normal	Not Existed
		Asad Abad	Asad Abad	Vegetative	Good	Not Existed
		Chawkay	Chawkay	Vegetative	Normal	Not Existed
	Laghman	Mihtarlam	Mihtarlam	**Dormancy**		
		Qarghay	Qarghay	Emergence	Normal	Not Existed
		Alengar	Alengar	Vegetative	Normal	Not Existed
	Noristan	Paroon	Paroon	**Harvested**		
		Do Ab	Do Ab			
		Norgaram	Norgaram	Vegetative	Normal	Pasts &Diseases
		Waigal	Waigal	Emergence	Normal	Not Existed
		Wama	Wama	**Harvested**		
North East	Takhar	Taluqan	Taluqan	Vegetative	Normal	Pasts &Diseases
		Rostaq	Rostaq	**Dormancy**		
		Aqmasjad	Aqmasjad			
	Kunduz	Imam Sahib	Imam Sahib	Emergence	Normal	Not Existed
		Qaliazal	Aqtipa	Emergence	Normal	Not Existed
		Khan Abad	Khan Abad	Vegetative	Good	Not Existed
		Kunduz	Kunduz	**Dormancy**		
		Archi	Archi	Emergence	Normal	Not Existed
		Chardara	Chardara	Emergence	Normal	Not Existed
		Ali Abad	Ali Abad	Emergence	Normal	Not Existed
	Baghlan	Pulikhomri	Pozaishan	**Planting**		
		Doshy	Doshy	Emergence	Normal	Not Existed
	Badakhshan	Argo	Argo	**Dormancy**		
		Baharak	Baharak	Emergence	Normal	Not Existed
		Ashkashm	Ashkashm	**Harvested**		
		Khash	Khash	**Dormancy**		
		Faiz Abad	Faiz Abad			
South East	Khost	Khost	Khost	Emergence	Normal	Not Existed
		Khost	Shimal	Emergence	Normal	Not Existed
		Ali Sher	Ali Sher	Emergence	Normal	Not Existed
	Paktia	Zormat	Rohani Baba	**Dormancy**		
		Gardiz	Tera			
	Paktika	Urgon	Urgon			
		Sharana	Sharana			
		Khair kot	Khair Kot			

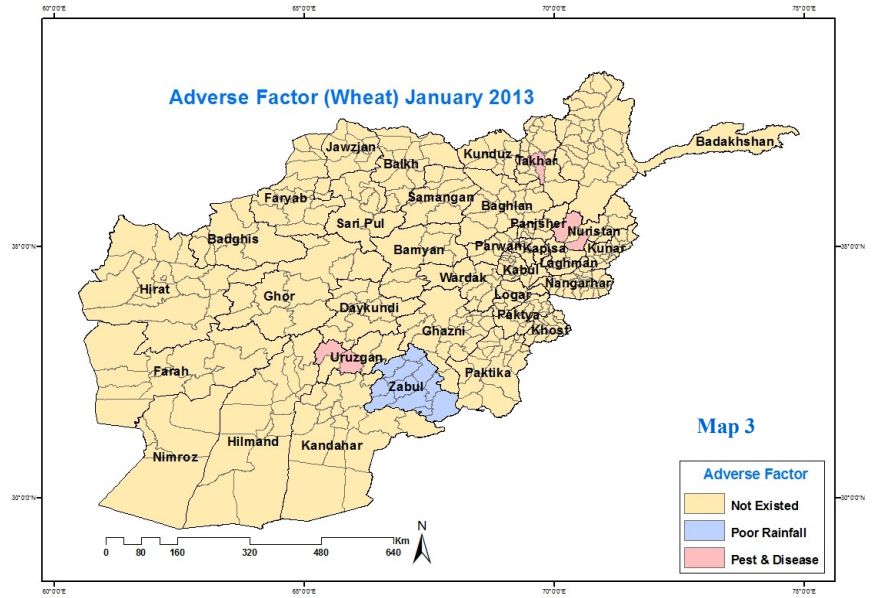
Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Emergence	Normal	Not Existed
	Kandahar	Kandahar	Kandahar	Emergence	Normal	Not Existed
		Kohkaran	Kohkaran	Emergence	Normal	Not Existed
	Zabul	Qalat	Qalat	Emergence	Normal	Not Existed
	Urozgan	Tirin Kot	Tirin Kot	Emergence	Normal	Pests & Diseases
	Hilmand	Nad Ali	Nad Ali	Vegetative	Normal	Not Existed
		Greshk	Greshk	Vegetative	Normal	Not Existed
		Nawa	Nawa	Vegetative	Normal	Not Existed
		Lashkargah	Bolan	Vegetative	Normal	Not Existed
North	Balkh	Takhta pol	Dihdadi	Emergence	Normal	Not Existed
		Mazar shareef	Mazare shareef	Emergence	Normal	Not Existed
		Nahrishahi	Nahrishahi	Emergence	Normal	Not Existed
		Dawlat Abad	Dawlat Abad	**Dormancy**		
	Jawzjan	Sheberghan	Sheberghan	Emergence	Normal	Not Existed
		Darzab	Darzab	**Planting**		
		Aqcha	Aqcha	Emergence	Normal	Not Existed
	Saripul	Saripul	Saripul	**Planting**		
		Sancharak	Sancharak			
		Sozmaqala	Sozmaqala			
	Faryab	Maimana	Maimana	Emergence	Normal	Not Existed
		Andkhoy	Andkhoy	Emergence	Normal	Not Existed
		Garzeewan	Garzeewan	**Dormancy**		
	Samangan	Aibak	Aibak	**Planting**		
		Dara Souf	Dara Souf			
		Sar bagh	Sarbagh	**Harvested**		
North West	Badghis	Maqur	Maqur	Emergence	Normal	Not Existed
		Qalainow	Qalainow	**Dormancy**		
	Ghor	Chaghcharan	Chaghcharan	Emergence	Normal	Not Existed
		Dawlat yar	Dawlat yar	**Dormancy**		
	Hirat	Shindand	Shindand	Vegetative	Normal	Not Existed
		Hirat	Hirat	Emergence	Normal	Not Existed
		Zindajan	Zindajan	Emergence	Normal	Not Existed
		Gwazara	Falahat	Emergence	Normal	Not Existed
		Hirat	Farm Urdokhan	Emergence	Normal	Not Existed
	Farah	Farah	Farah	Vegetative	Normal	Not Existed

Wheat Crop Stage, Condition and Adverse Factor Maps







Data Source:Agromet Network

However precipitation increased during the month of December 2012 all over the country and this widespread precipitation helped to partially relieved the early-season dryness in some parts of the country, in January 2013 precipitation was light in most parts of the country which resulted in decrease of the precipitation during the month of January this year compared to the same month of last year.

Comparison of rainfall data for the month of January 2013 with the same month in 2012 (Chart 1) shows significant decrease of rainfall during the month of January 2013 over the same month of last year all over the country.

Comparison of rainfall data for the month of January 2013 with the same month of long term average (Chart 1) also shows significant decrease of rainfall during the month of January 2013 over the same month of long term average.

During the month of January 2013, most amount of rainfall has been occurred in the Northeastern, some parts in the Northern and in the Eastern region. Central Highlands, Western and Southeastern regions had received moderate rainfall during this month. The Southern and Southeastern experienced the lowest amount of rainfall during this month.

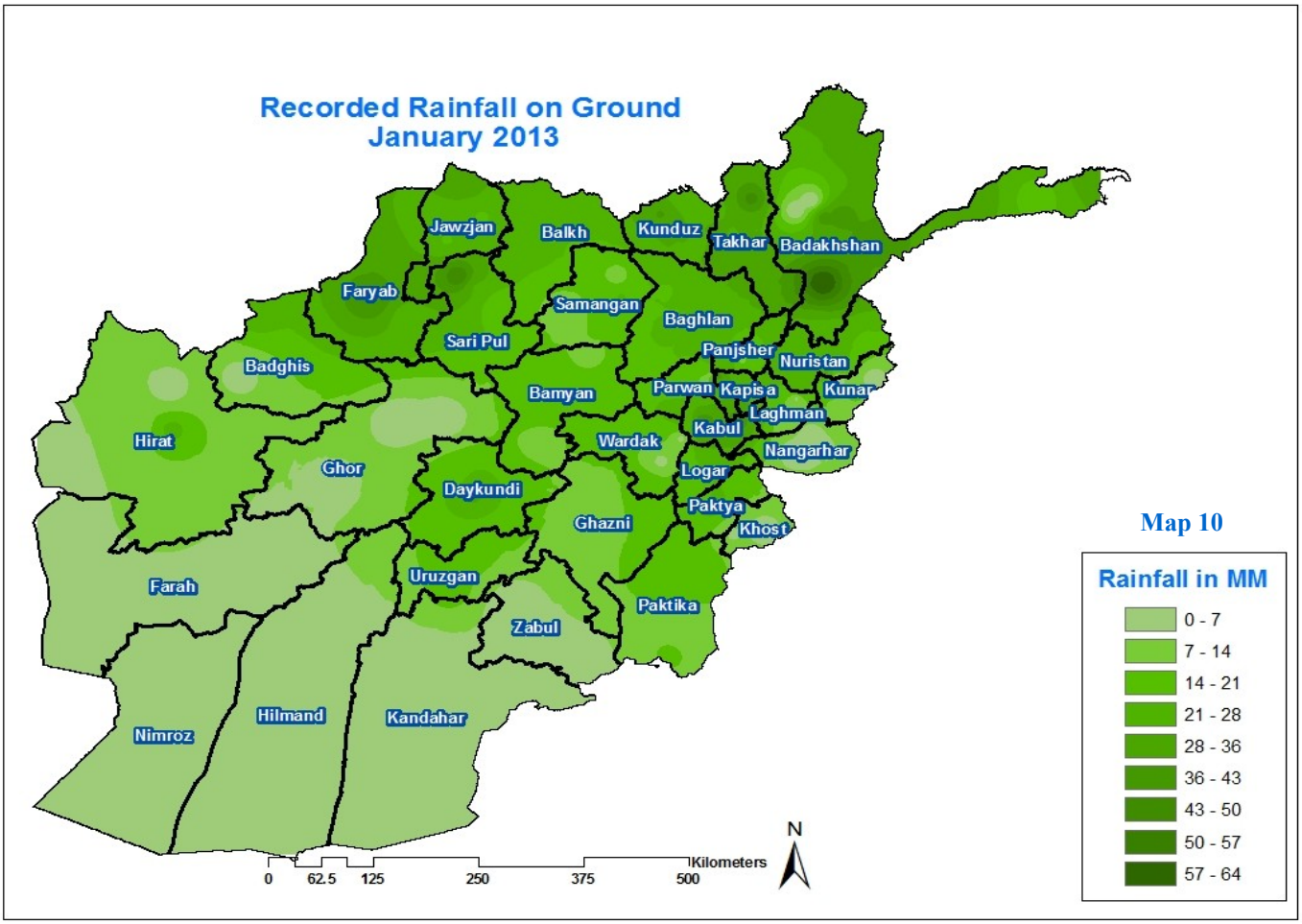
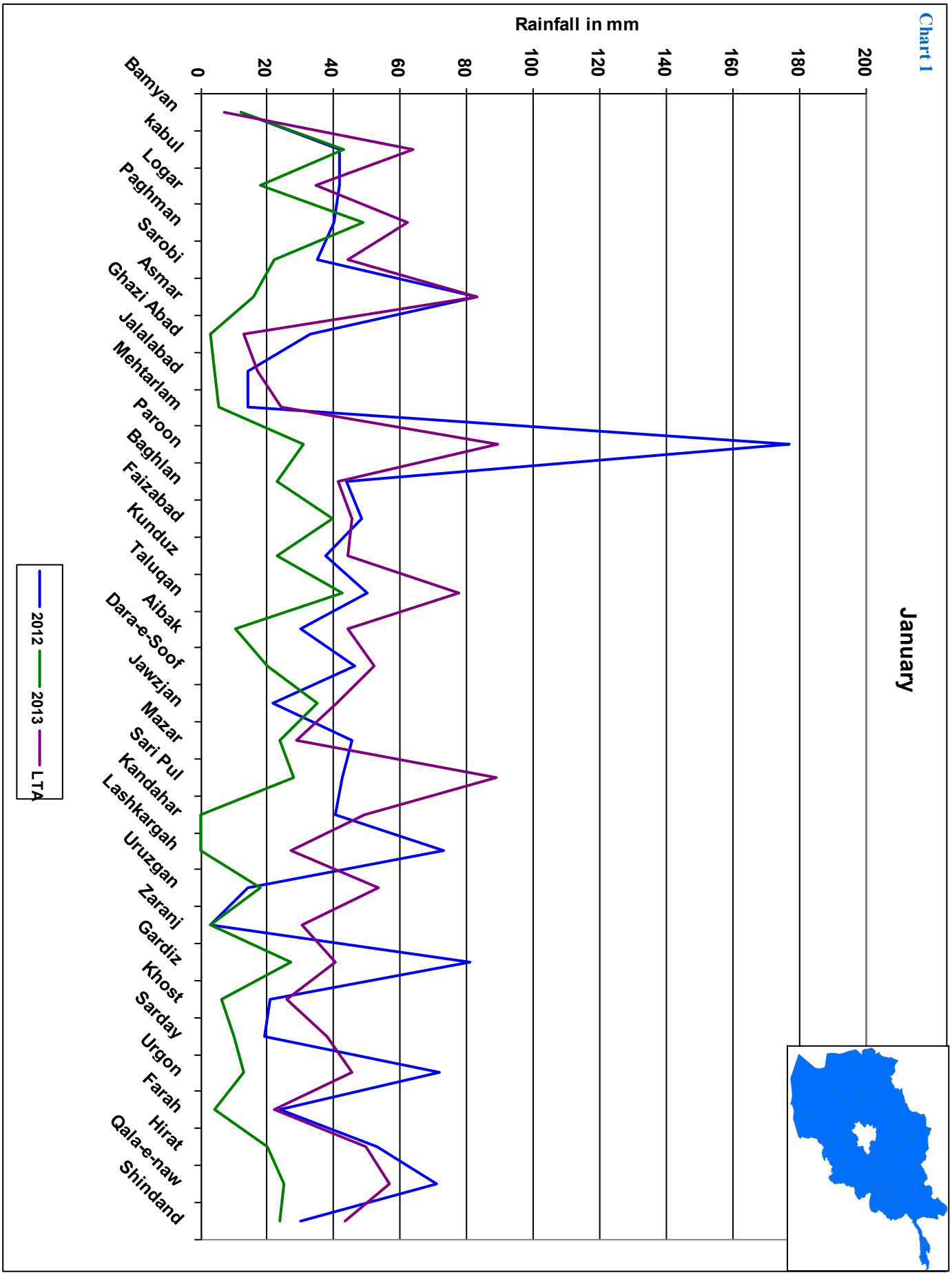
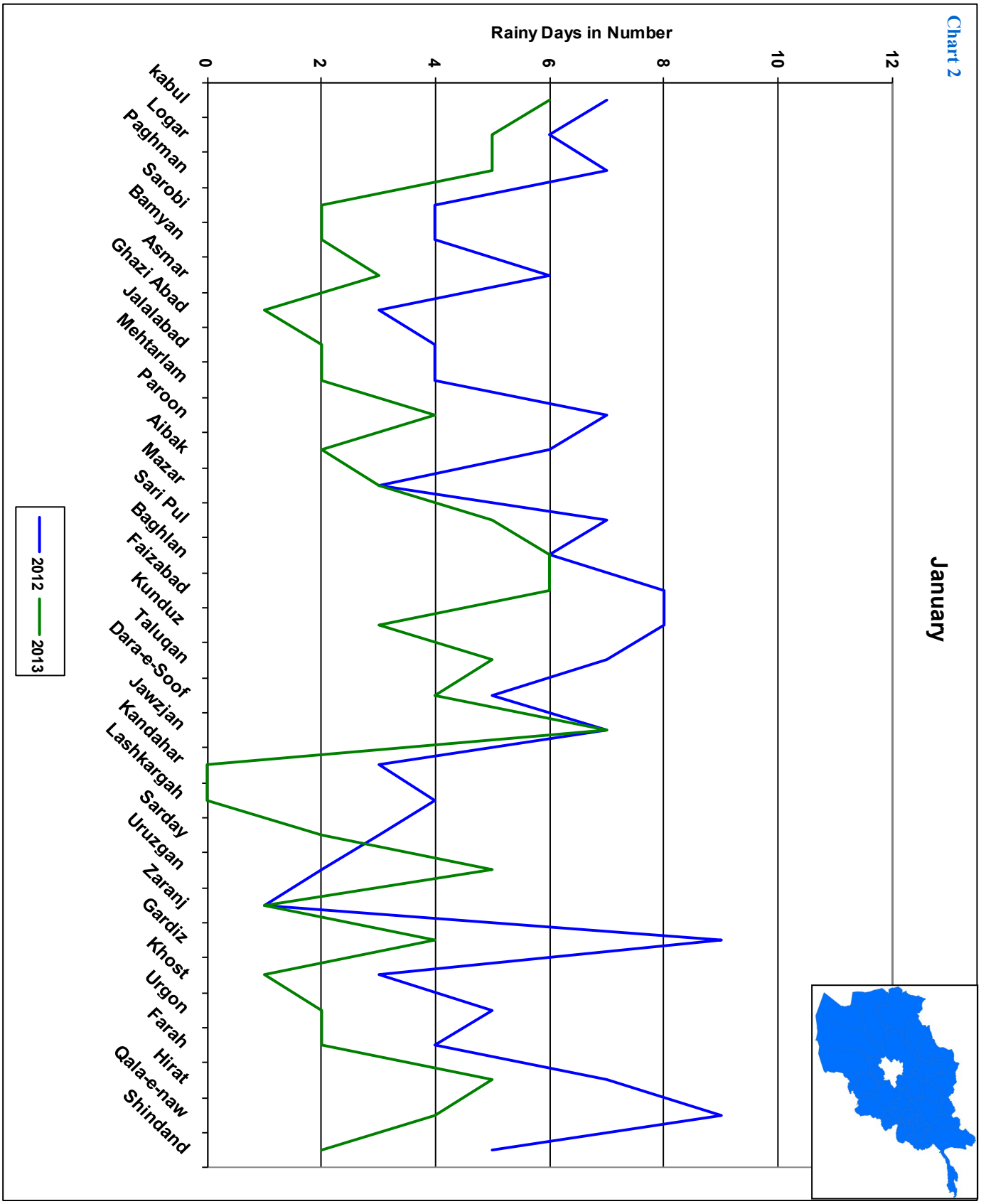


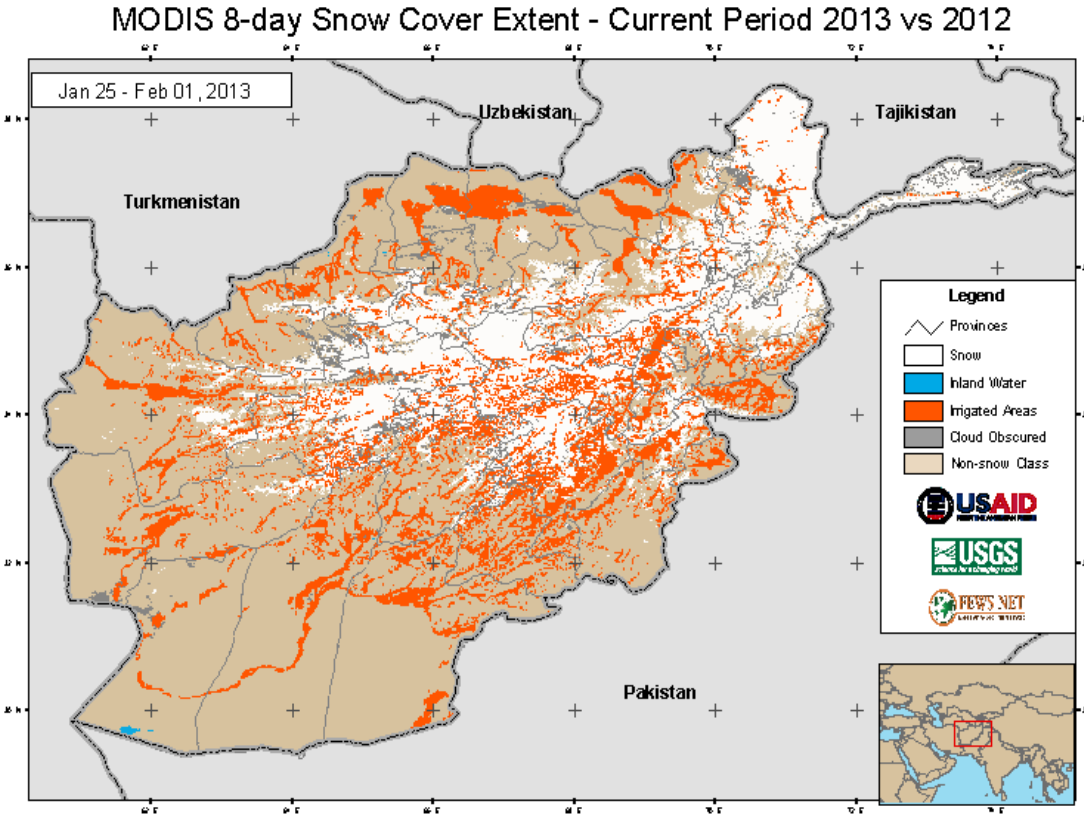
Chart 1


Rainfall in mm
0
20
40
60
80
100
120
140
160
180
200
Bamyan
kabul
Logar
Paghman
Sarobi
Asmar
Ghazi Abad
Jalalabad
Mehtarlam
Paroon
Baghlan
Faizabad
Kunduz
Taluqan
Aibak
Dara-e-Soof
Jawzjan
Mazar
Sari Pul
Kandahar
Lashkargah
Uruzgan
Zaranj
Gardiz
Khost
Sarday
Urgon
Farah
Hirat
Qala-e-naw
Shindand
2012
2013
LTA
January

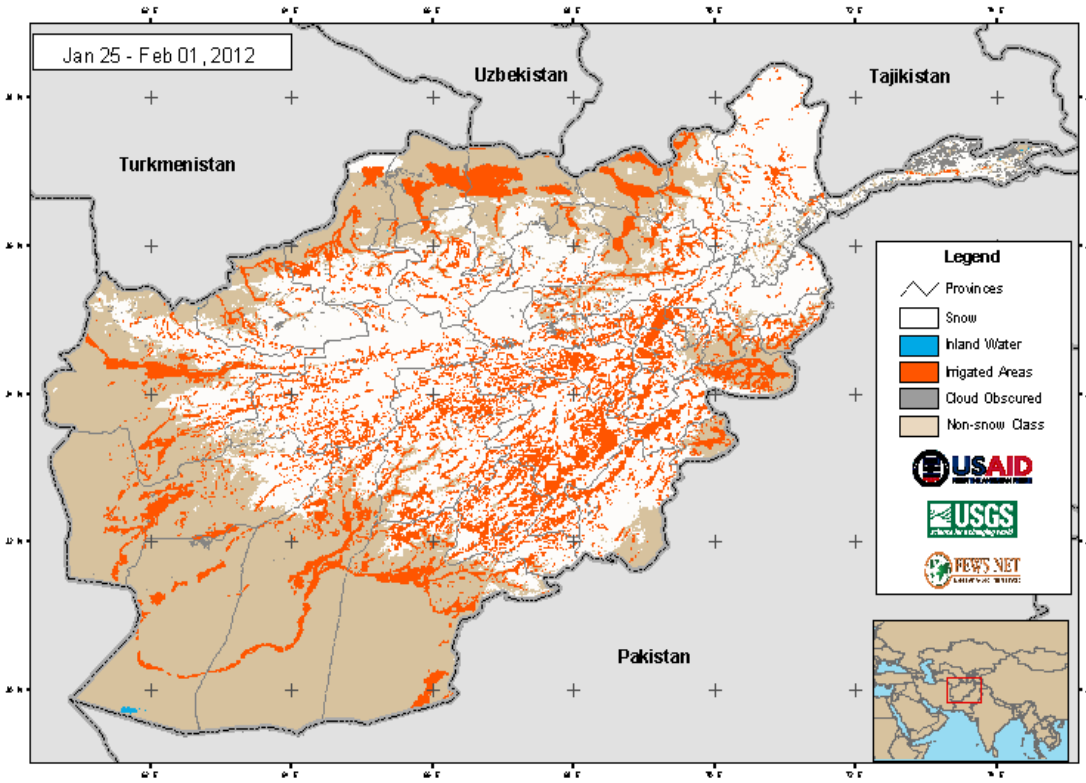


Comparison of rainy days for the month of January 2013 with the same month of last year (Chart 2) shows that, rainy days had significant decrease during the month of January 2013 over the same month of last year.

Data Source: Agromet Network



Map 5

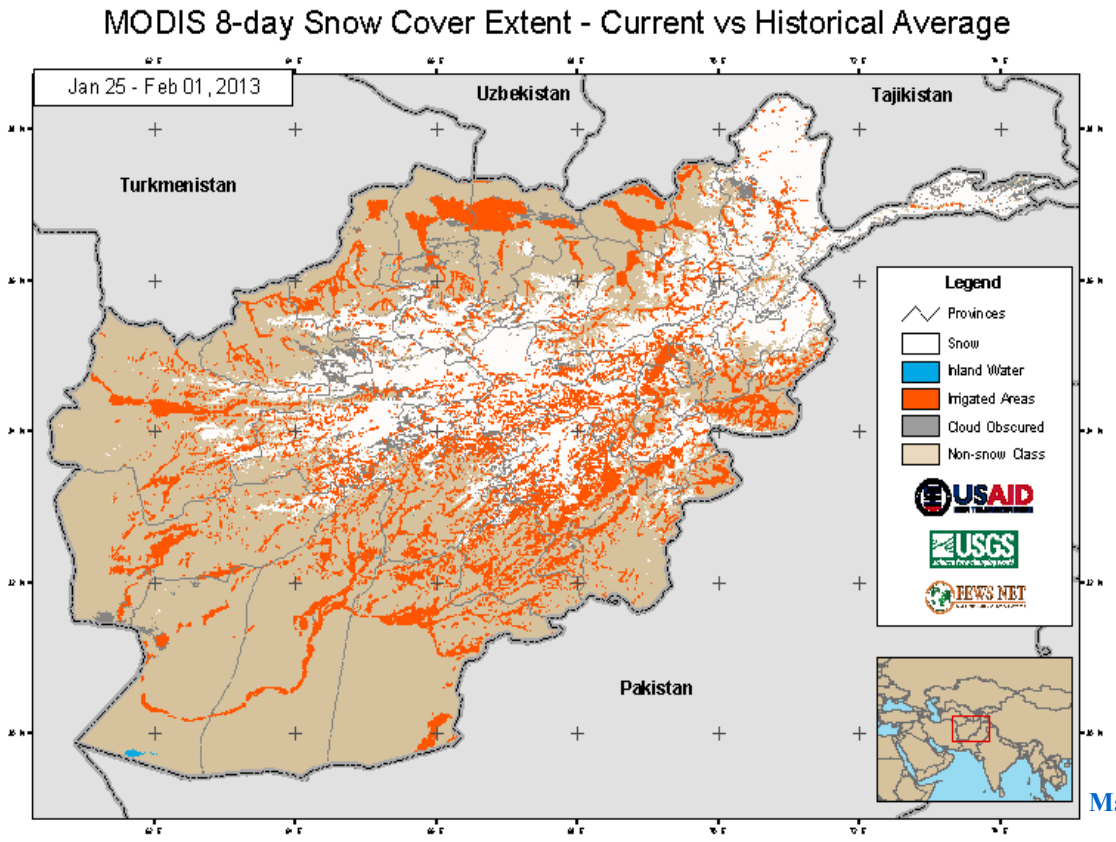


Map 6

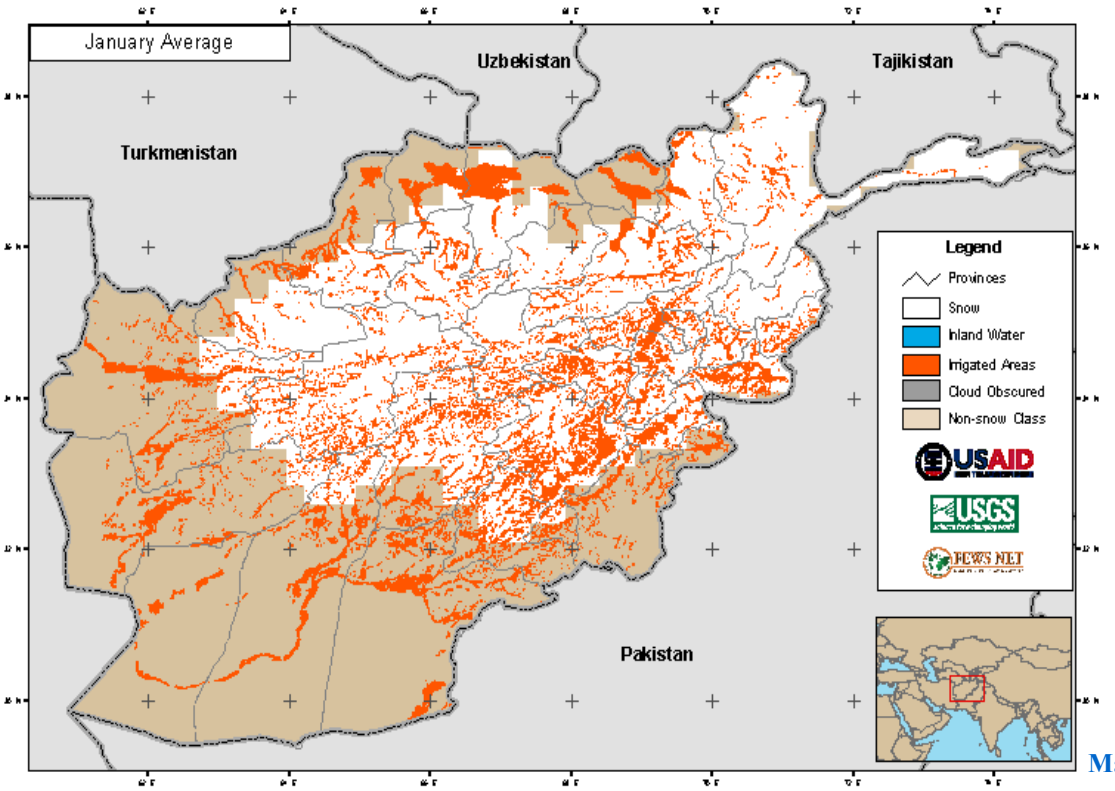
Both snow depth and snow cover extent had a decrease due to light precipitation in January 2013, particularly the Northern flat areas, Southeastern and west parts of the Central Highlands.

Comparison of snow cover extent for the period of (January 18 – 25) 2013 with the same period in 2012 (Map 5– 6) shows significant decrease of snow cover extent during the above mentioned period of January 2013 over the same period of January 2012.

Data Source:USGS



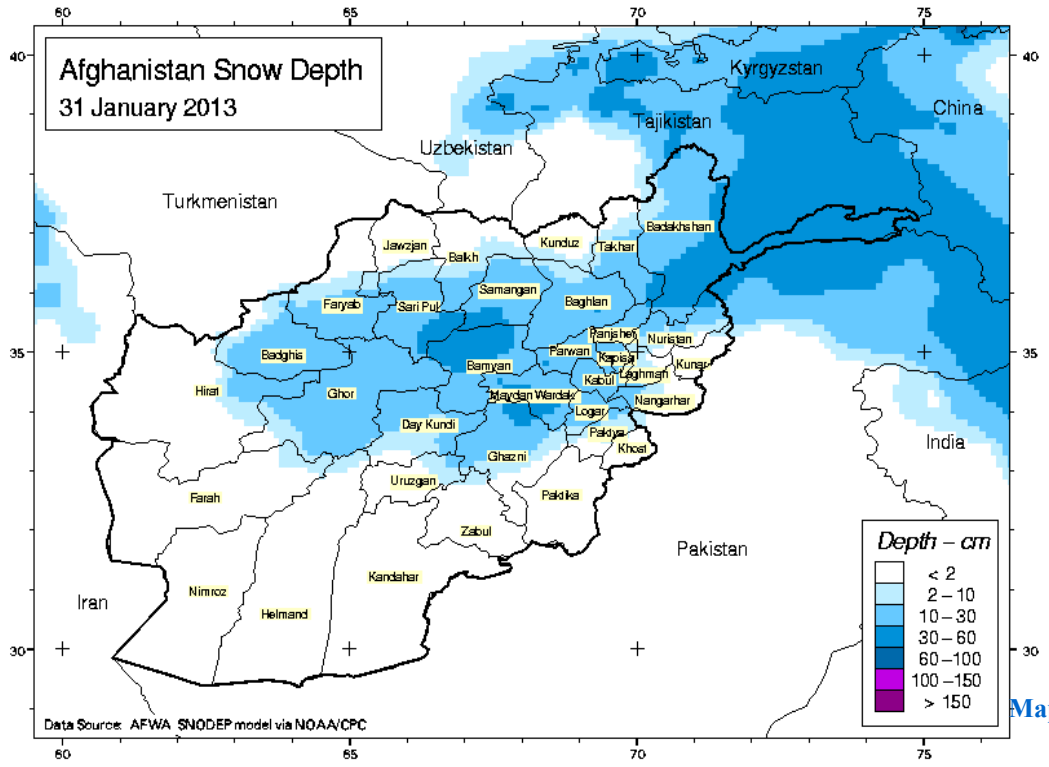
Map 7



Map 8

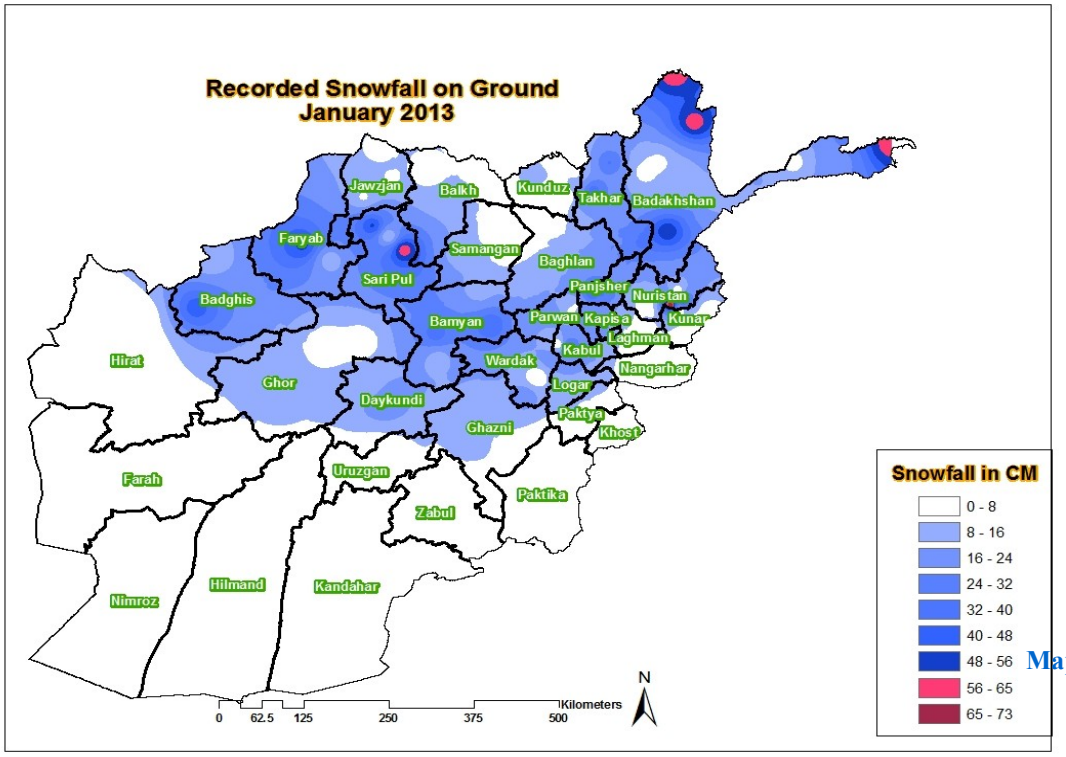
Comparison of snow cover extent for the month of January 2013 with the same month of long term average (Map 7 – 8) also shows a decrease of snow cover extent during the month of January 2013 over the same month of long term average particularly in the Northern, Southeastern and the west parts of the Central Highlands.

Data Source:USGS



Map 9

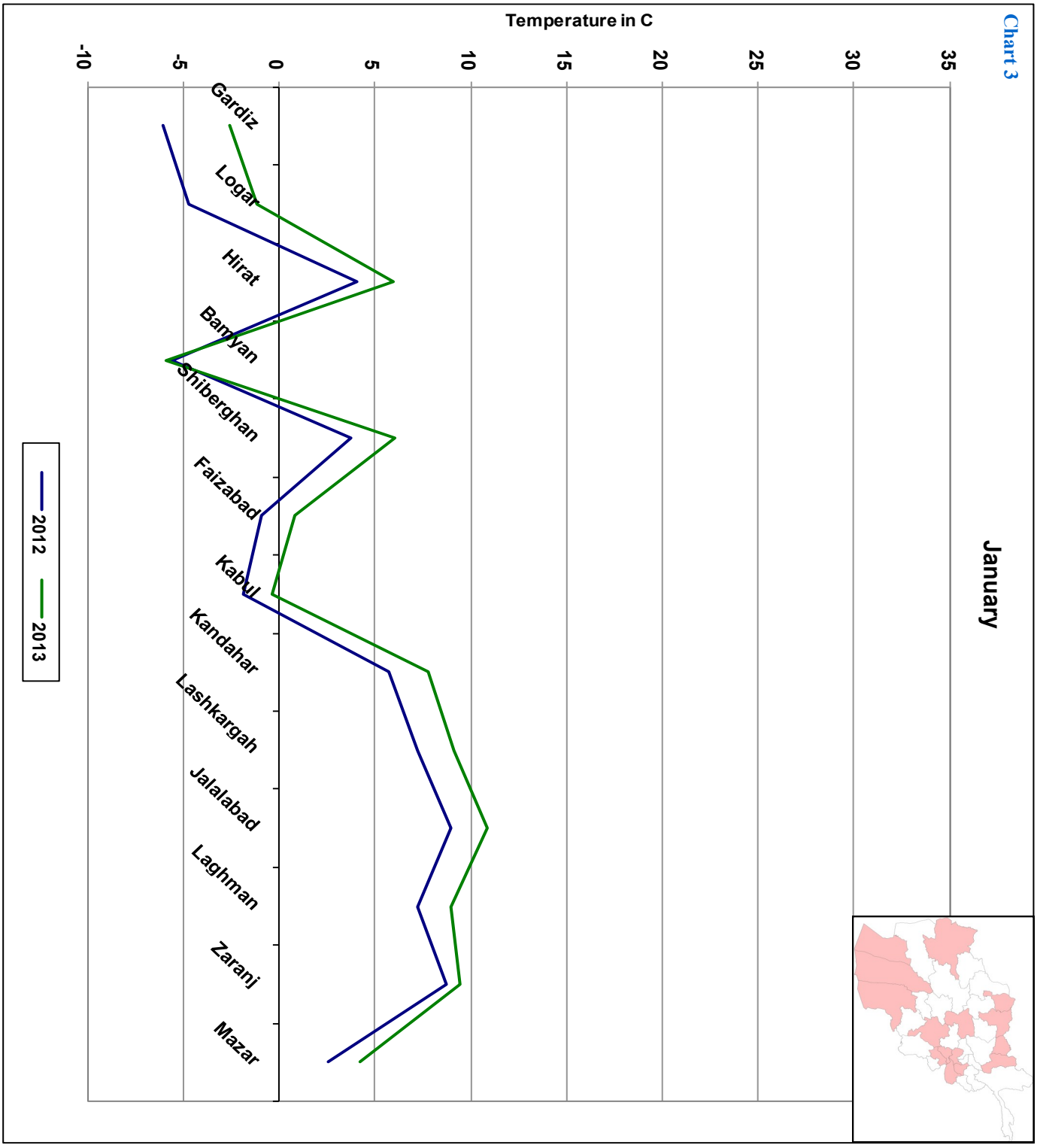
Map (9) shows snow depth for the end of January 2013. As map (9) shows the snow depth has been recorded from 30cm to 60 cm in the Northeastern and some parts of Central Highlands.



Map 10

In this bulletin we do have two types of information on snow which are the remote sensing and the recorded data on the ground , the ground data is mostly from the lower During the month of January 2012, the most snow has been occurred in Badakhshan and Sari Pul, as it recorded between 65 cm and 73 cm. For more information on the ground recorded data please, see the Map #10.

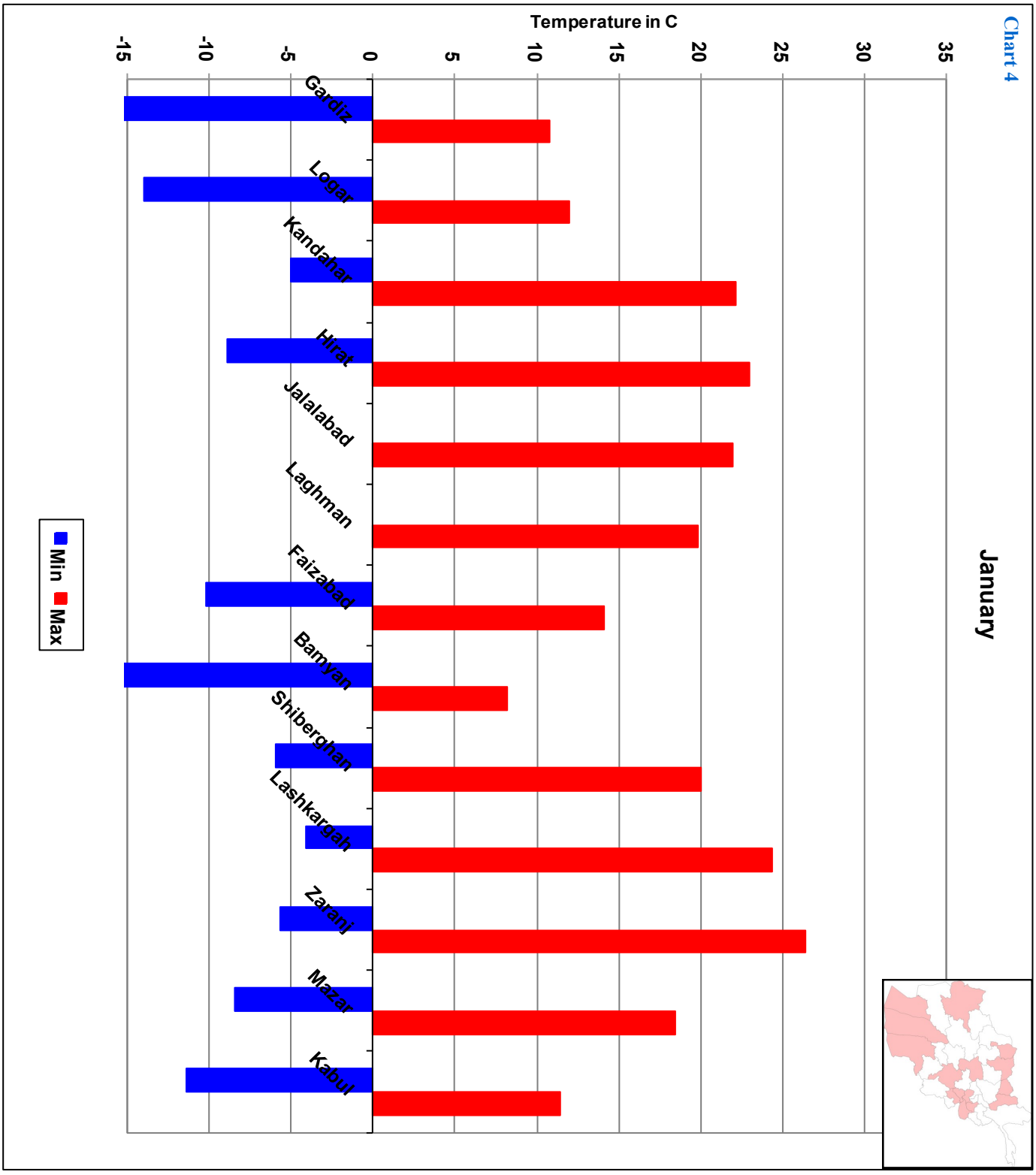
Average Temperature for the Month of Janaury 2013



During the month of January 2013, temperature gradually raised in most parts of the country, the minimum temperatures has been recorded between -20 C° and -22 C° in the Central Highlands, and the Northeastern high elevations.

Comparison of monthly average of temperature for the month of January 2013 with the same month in 2012 (Chart 3),shows that temperature had an increase during the month of January 2013 compared to the same month of last year in most parts of the country except Bamyan and Kunduz where temperature was accompanied with negative departure.

Data Source:AMA



Zaranj with 26.4 C° was the warmest spot of the country during the month of January 2013

Chart (4) shows maximum and minimum temperature for the month of January 2013. As chart (4) shows Zaranj with 26.4 C° was the warmest spot of the country, and Bamyan with – 22.2 C° experienced lower temperatures.

Data Source:AMA

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